PROJECT NUMBER: 1740
PROJECT TITLE: Flavor Components of Tobacco and Filler
PROJECT LEADER: D. F. Ingraham
PERIOD COVERED: July, 1987

I. OVEN VOLATILES

A. Objective: To identify the composition of oven volatiles.

B. Results: Two samples each from five commercial blends were analyzed for compounds released during the OV experiment. Additionally, experiments were conducted to assess the effectiveness of the OV trapping apparatus.

C. Conclusions: The trapping efficiency was slightly less for the blends than for other primary locations sampled to date.

D. Plans: Four locations in Primary remain to be sampled to complete this study.

E. References:

PM Notebook #8469, pp. 88-92.

II. RESPONSE TO ANALYTICAL REQUESTS

A. Objective: Provide analytical support to R&D and Operations personnel and projects.

B. Results: Analyses and investigations by the project personnel during the month of July included:

Nicotine analyses were performed on 135 samples from various submitters.

Four samples of Chinese menthol submitted by Ed Tucker were analyzed for purity by GC and optical rotation.

The remaining brands from a truck wreck in Maryland were analyzed for possible diesel and smoke contamination. Diesel contamination was observed on some materials while no smoke damage could be determined analytically.

Ethanol analyses were performed on seventeen samples for the Marlboro Standardization study. Ethanol values ranged from 30 to 209 µg/cigarette.

Assistance in retrofitting a GC for capillary operation was provided to E. N. Maxey of Engineering.

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Source: https://www.industrydocuments.ucsf.edu/docs/flgm0000

C. **References**:

1. PM Notebook #8340.
2. PM Notebook #8362.
3. PM Notebook #8471.

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